

Amendments to the Specification

Please amend the paragraph beginning at the bottom of page 12 as follows:

A cross-section drawing of a typical combustion chamber **12** is shown in FIGURE 1.

81 This combustion chamber **12** is representative of lean premix combustion chambers for use with the combustion sensor **16** of the present invention. Discussion of the combustion sensor **16** of the present invention will be made with respect to the typical combustion chamber **12**. When multiple combustion chambers are incorporated into the gas lean premix system, each combustion chamber should be provided with its own combustion sensor **16**. Also for simplicity of discussion, only the combustion chamber **12**, fuel nozzle **10** and swirl vanes **24** are shown in FIGURE 1. The other various parts of a gas combustion system mentioned above will not be mentioned discussed further.